Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/11/2022 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124872	-1	1.31	124829	1.27
Blue	F	SSC	125000	122744	-2	2.66	123233	2.53
Blue	E	FITC	13602	13143	-4	2.22	367	13.32
Blue	D	PE	24891	24429	-2	1.63	580	10.28
Blue	B	PerCP-Cy5-5	33972	33077	-3	2.94	945	14.20
Blue	A	PE-Cy7	22865	22436	-2	4.89	466	29.65
Red	C	APC	47198	46966	-1	2.59	1622	11.48
Red	A	APC-Cy7	26454	25667	-3	3.07	723	12.00
Violet	B	V450	6737	6422	-5	3.57	446	11.58
Violet	A	V500	29317	27845	-6	3.20	952	8.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24229	2.15	532	-3	N/A	N/A	Pass
Blue	F	SSC	55245	1.96	514	-7	N/A	N/A	Pass
Blue	E	FITC	56	53.22	483	-1	0.0445	96	Pass
Blue	D	PE	113	37.53	486	0	0.4103	278	Pass
Blue	B	PerCP-Cy5-5	149	39.92	579	0	0.0223	88	Pass
Blue	A	PE-Cy7	79	75.48	621	0	0.0235	0	Pass
Red	C	APC	340	25.51	572	0	0.0277	148	Pass
Red	A	APC-Cy7	134	35.04	549	-2	0.0070	1670	Pass
Violet	B	V450	77	46.47	442	-8	0.0538	2173	Pass
Violet	A	V500	112	30.57	461	-8	0.0255	782	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.82	-31.54	1.16
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	16.00	13.90 - 20.86	N/A	N/A	29.84	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13997

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments